


6. (New) A method of forming a barstock body fluid control valve using reduced barstock size and a standard size valve stem, the method comprising the steps of:

selecting the reduced size barstock having a desired outerwall configuration formed about a longitudinal center line and cutting the reduced barstock size to length;

forming a valve body by machining flat surfaced ends on said reduced barstock size perpendicular to said barstock outer wall;

defining a throughbore axis offset from and parallel to the longitudinal centerline of the barstock;

 machining a throughbore in said barstock symmetrically about the offset throughbore axis to produce an eccentrically located throughbore defining a thicker portion and a thinner portion of said barstock outer wall;

machining a valve stem bore perpendicular to said throughbore in the thicker portion of the barstock outerwall located a maximum distance from said offset throughbore axis;

installing a standard size valve stem in said valve stem bore; and

wherein the thicker portion of the barstock outerwall permits the standard size valve stem to be used with the reduced barstock size resulting in the thinner portion of the barstock wall positioned opposite the valve stem.

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